



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**JOHN DEERE 944X 03734**  
 Component  
**Rear Right Final Drive**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MT0006118</b>	MT0005814	---
Sample Date		Client Info		<b>17 May 2024</b>	24 Jan 2024	---
Machine Age	hrs	Client Info		<b>951</b>	469	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>15</b>	16	---
Iron	ppm	ASTM D5185m	>750	<b>9</b>	6	---
Chromium	ppm	ASTM D5185m	>9	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>1</b>	0	---
Aluminum	ppm	ASTM D5185m	>40	<b>1</b>	2	---
Lead	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>40	<b>13</b>	7	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

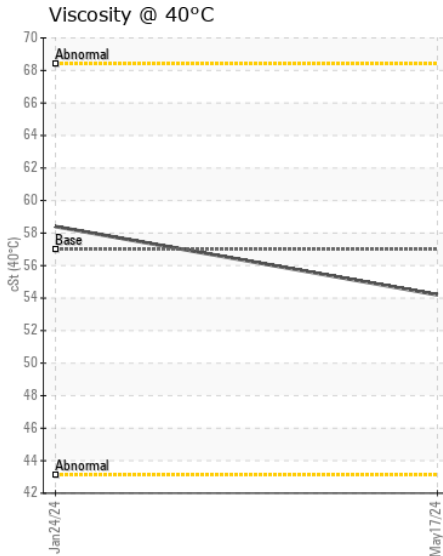
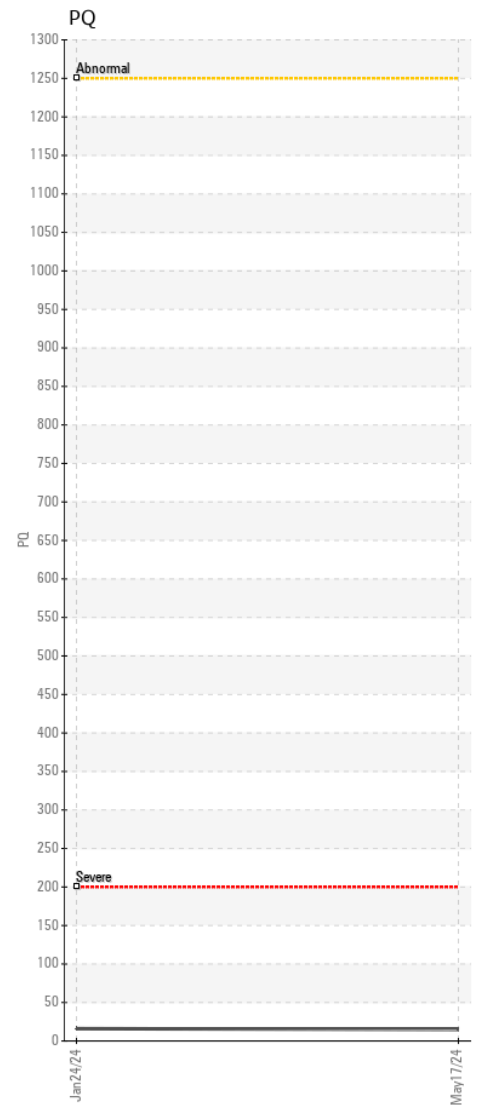
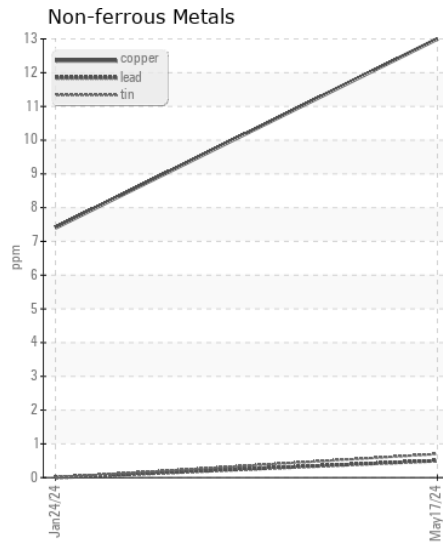
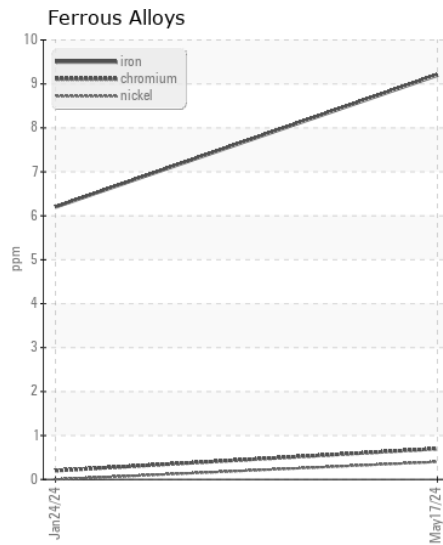
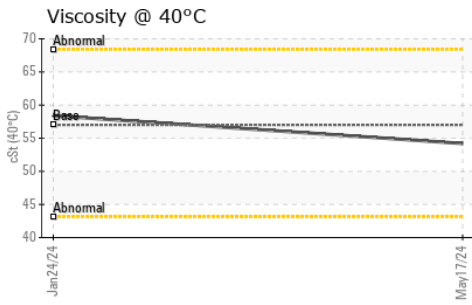
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>16</b>	18	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	---
Water		WC Method	>0.075	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.075	<b>NEG</b>	NEG	---

## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<b>0</b>	0	---
Boron	ppm	ASTM D5185m	6	<b>2</b>	2	---
Barium	ppm	ASTM D5185m	0	<b>2</b>	3	---
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m	145	<b>105</b>	101	---
Calcium	ppm	ASTM D5185m	3570	<b>3571</b>	3370	---
Phosphorus	ppm	ASTM D5185m	1290	<b>1070</b>	1045	---
Zinc	ppm	ASTM D5185m	1640	<b>1328</b>	1213	---
Sulfur	ppm	ASTM D5185m		<b>4137</b>	4184	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>54.2</b>	58.4	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MT0006118 **Received** : 24 May 2024  
**Lab Number** : 06190756 **Tested** : 28 May 2024  
**Unique Number** : 11047508 **Diagnosed** : 28 May 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**MURPHY TRACTOR - CAMBRIDGE**  
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To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)